What is TCF

A gap fund to facilitate the commercialization of promising energy technologies developed at DOE Labs/facilities

- to fulfill statutory direction authorized under Section 1001 of the Energy Policy Act of 2005
- to increase commercial impact of lab developed energy technologies
- to encourage stronger partnerships between DOE Labs and private sector bringing energy technologies to the marketplace
FY21 TCF Solicitation

Download the TCF solicitation document
(issued on Sep. 10, 2020)
https://ipo.lbl.gov or https://www.labpartnering.org/TCF/Resources

Proposal Eligibility Declaration due
by Oct. 8, 2020 5pm EST

Watch OTT’s pre-recorded webinar
https://www.labpartnering.org/TCF/Resources
Who is Eligible

• Must be a Berkeley Lab employee
• Must have an active IP status
  – IPO has a record of your invention or software
  – IPO has filed a provisional or non-provisional patent application or received DOE’s permission to assert copyright by the time DOE obligates funding
• 50% cost match required from a non-fed source
• A CRADA is required prior to work begins with an external partner
• Project must align with at least one of the Program Office Technology Areas listed in the Appendix A of the solicitation (pg. 27 ~ 49)
Where Does TCF Funding Come From

- 0.9% of the Program Offices budget in the fiscal year

<table>
<thead>
<tr>
<th>Participating DOE Program Office</th>
<th>Estimated FY21 Funding Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Efficiency and Renewable Energy (EERE)</td>
<td>$15M - $17.5M</td>
</tr>
<tr>
<td>Nuclear Energy (NE)</td>
<td>$5.5M - $6.7M</td>
</tr>
<tr>
<td>Fossil Energy (FE)</td>
<td>$1.1M - $2.5M</td>
</tr>
<tr>
<td>Electricity Delivery and Energy Reliability (OE)</td>
<td>$1.1M - $1.3M</td>
</tr>
<tr>
<td>Cybersecurity, Energy Security, and Emergency Response (CESER)</td>
<td>$0.2M - $0.4M</td>
</tr>
<tr>
<td>Total TCF</td>
<td>$23.1M - $28.5M</td>
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</tbody>
</table>
TCF Structure

Topic 1 (Tech Maturation)
- $100,000 - $250,000
- 6-18 months

Topic 2 (Cooperative Development)
- $250,000 - $1,500,000
- 12-36 months

Consider applying if you are working with a partner or plan to execute a CRADA in the next 12 – 18 months or participated in I-Corps Programs
TCF Proposal Scope

1. Commercial Impact
   - Potential market impact (topic 1 & 2)
   - Clear identification of current or anticipated market needs and go-to-market strategy (topic 2)

2. Technology Maturity
   - Advances necessary to attract or secure a private partner or next steps if a partner already exist (topic 1)
   - Activities needed to achieve commercialization goals (topic 2)

3. Project Plan
   - Clear explanation of the goals and outcomes and a viable approach
   - Tasks clearly linked to performance metrics and deliverables

4. Project Team and Resources
Cost Matching and Partners

- At least 50% of the total project costs from a non-fed source
- Contributions can be cash or in-kind or both
- Partners can be any non-Federal entity, i.e. private companies, state or local governments, universities or non-profit organizations
- All in-kind contributions must meet all of DOE’s requirements
- CRADA is required before work begins with an external partner
Acceptable Cost Match Contributions

All contributions must satisfy all of the following criteria:

- Verifiable from the recipient’s records
- Not included as contributions from any other Fed project or program
- Necessary and reasonable to accomplish project/program objectives
- Allowable under the cost principles applicable to the entity
- Not paid by another award funded by Federal Government
- Provided for in the approved budget
TCF Proposal Process

Applicant

- Program reports per funding requirements
- Project reports at project start and end
- Final proposal review
- Approves funding

DOE Program Offices

- $ via AOP
- Optional response to reviewer comments

OTT

- Program administration
- Receives applications
- Manages proposal review via Independent Merit Review Committee

• Program administration
• Receives applications
• Manages proposal review via Independent Merit Review Committee
How To Learn More

Download the TCF solicitation document

Watch OTT’s pre-recorded webinar
https://www.labpartnering.org/TCF/Resources
Past TCF Awardees

- Mike Tucker (ETA)
- Brett Helms (MF)
- Tianzhen Hong (ETA)
- Ning Sun (ABPDU)
- Gao Liu (ETA)
- Maxim Martchevskii (AASU)
- Anup Singh/ Nathan Hillson (JBEI)

Consider applying if you are working with a partner or plan to execute a CRADA in the next 12 – 18 months or participated in I-Corps Programs.
# Key Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
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</thead>
<tbody>
<tr>
<td>Solicitation Issue Date</td>
<td>September 10, 2020</td>
</tr>
<tr>
<td>Pre-Recorded Informational Webinar Available</td>
<td>September 10, 2020</td>
</tr>
<tr>
<td>Deadline for Mandatory Proposal Eligibility Declarations</td>
<td>October 8, 2020 5:00 p.m. (ET)</td>
</tr>
<tr>
<td>Anticipated Notification of Full Proposal Eligibility</td>
<td>November 3, 2020 5:00 pm (ET)</td>
</tr>
<tr>
<td>Deadline for Full Proposals</td>
<td>December 15, 2020 5:00 p.m. (ET)</td>
</tr>
<tr>
<td>Anticipated Review Comments</td>
<td>Mid-late March 2021</td>
</tr>
<tr>
<td>Optional Response to Review Comments</td>
<td>Three (3) Business Days Later</td>
</tr>
<tr>
<td>Expected Date for Selection Notifications</td>
<td>Spring 2021</td>
</tr>
</tbody>
</table>
Means of Submission

- Proposal Eligibility Declaration due by Oct. 8, 2020 5pm ET
  - use PED template available at [https://www.labpartnering.org/TCF/Resources](https://www.labpartnering.org/TCF/Resources)
  - Submission via email to both [TCF@hq.doe.gov](mailto:TCF@hq.doe.gov) and [TCFsubmissions@inl.gov](mailto:TCFsubmissions@inl.gov)

- Full proposal due by Dec. 15, 2020 5pm ET
  - *Via PROPs* [https://proposalsott.inl.gov](https://proposalsott.inl.gov)
Questions

Externally

- TCF program rules and proposal process - TCF@hq.doe.gov
- Using PROPs, the online application system - TCFsubmissions@inl.gov

Internally

- TCF program & IP – Shanshan Li, shanshanli@lbl.gov
- CRADA – Todd Pray, TPray@lbl.gov